

10/527140

DT12 PCT/PTO 09 MAR 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLN. OF: HAYASE et al.
FILED: March 9, 2005
FOR: BLOOD FLOW VISUALIZING DIAGNOSTIC APPARATUS
DOCKET: SHIG CPTA1402AU

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

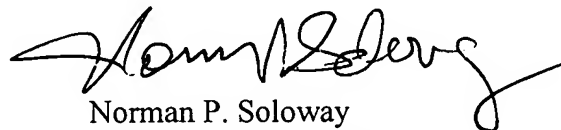
Dear Sir:

In connection with the above-entitled matter, Applicants hereby attach U.S. Patent Office Form PTO-1449, including copies of the references listed therein, which were considered prior to the initial filing, and some of which are discussed in the specification. The claims in the present application are believed to be patentably distinguished over these references.

This information disclosure statement is being made pursuant to the duty of disclosure imposed by law and formulated in 37 CFR 1.56(A). No representation is made that the information thus disclosed in fact constitutes prior art or that it is the closest prior art, inasmuch as 37 CFR 1.56(A) relies on a materiality concept which depends on subjectivity.

In the event there are any fee deficiencies or additional fees are payable, please charge them (or credit any overpayment) to our Deposit Account No. 08-1391.

Respectfully submitted,



Norman P. Soloway
Attorney for Applicant
Reg. No. 24,315

HAYES SOLOWAY P.C.
130 W. CUSHING STREET
TUCSON, AZ 85701
TEL. 520.882.7623
FAX. 520.882.7643

175 CANAL STREET
MANCHESTER, NH 03101
TEL. 603.668.1400
FAX. 603.668.8567

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

ATTY DOCKET NO.

SHIG CPTA1402AU

APPLICATION NO.

10/527140

APPLICANT(S)

HAYASE et al.

FILING DATE

March 9, 2005

GROUP ART UNIT

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

U.S. PATENT APPLICATION PUBLICATIONS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	JP2000-229078	08.22.2000	Japan (w/ Abstract)				✓
	JP2001-218768	08.14.2001	Japan (w/ Abstract)				✓
	JP2002-017726	01.22.2002	Japan (w/ Abstract)				✓
	JP11-316180	11.16.1999	Japan (w/ Abstract)				✓

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		Hayase, Finite volume method (SIMPLER method), Journal of the Japan Hydraulics & Pneumatics Society (in Japanese), Vol. 26, No. 4 (1995), pp. 407-413.
		Hayase and Hayashi, Fundamental Study on Computer-Aided Flow Field Control (State Observer for Flow System), Transactions of the Japan Society of Mechanical Engineers (in Japanese), Vol. 62, No. 598 (1996), pp. 2261-2268.

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary.)

Docket Number (Optional)

SHIG CPTA1402AU

Application Number

Applicant(s)

HAYASE et al.

Filing Date

March 9, 2005

Group Art Unit

*EXAMINER

INITIAL

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Hayase T., and Hayashi, S., "State Estimator of Flow as an Integrated Computational Method with the Feedback of Online Experimental Measurement," Transactions of the ASME, J. Fluids Eng., Vol. 119 (1997), pp. 814-822.

Nisugi, Takeda, Shirai and Hayase, "Fundamental Study on Hybrid Wind Tunnel (Study of Feedback Scheme)," Proceedings of the JSME Fluids Engineering Division Meeting (in Japanese), CD-ROM (2001), G803.

Takeda, Nisugi, Shirai and Hayase, "Fundamental Study on Hybrid Wind Tunnel (Evaluation of Estimation Performance)," Proceedings of the JSME Fluids Engineering Division Meeting (in Japanese), CD-ROM (2001), G804.

Hayase, T., Nisugi, K. and Shirai, A., "Numerical Realization of Flow Field by Integrating Computation and Measurement," Proceedings of 5th World Congress on Computational Mechanics, Vienna, Austria, July 7-12 (2002).

Hayase Toshiyuki, "Numerical simulation and Virtual Measurement for flow Fields" Measurement and Control, Vol. 40, No. 11 (Nov. 2001), pp. 790-794.

Menigault et al., "Feto-maternal circulation: mathematical model and comparison with Doppler measurements", European Journal of Ultrasound 7 (1998) pp. 129-143.

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.